

M A T E R I A L S A F E T Y D A T A S H E E T

Royal Lubricants Co., Inc.
E. Hanover, NJ 07936

REC'D DEC 17 1987

MSDS NUMBER >> ROYAL 500/1

DPM 3564

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EMERGENCY TEL. NO. CALL CHEMTREC 800-424-9300
ROYAL LUBRICANTS CO., INC. 201-887-7410

SECTION I

NAME

PRODUCT >>

AEROSHELL 500

CHEMICAL NAME AND SYNONYMS >> SYNTHETIC LUBRICATING OIL MIL-L-23699C

CHEMICAL FAMILY >>

SYNTHETIC ESTER

SECTION II-A

PRODUCT/INGREDIENTS

No.	COMPOSITION	CAS NUMBER	%
P	AEROSHELL 500	MIXTURE	100

SYNTHETIC ESTER AND OTHER COMPONENTS 100%

BASED UPON DATA AVAILABLE TO ROYAL LUBRICANTS CO., THIS PRODUCT IS NOT
HAZARDOUS UNDER OSHA HAZARD COMMUNICATION (29 CFR 1910.1200).

SECTION II-B

ACUTE TOXICITY DATA

No.	Acute Oral LD50	Acute Dermal LD50	Acute Inhalation LD50
P	NA	NA	NA

NA = NO APPLICABLE INFORMATION FOUND
N/A = NOT APPLICABLE

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SECTION III

HEALTH INFORMATION

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ROUTE OF ENTRY:

EYE CONTACT

MAY BE IRRITATING TO THE EYES.

SKIN CONTACT

PROLONGED OR REPEATED SKIN CONTACT MAY CAUSE SKIN IRRITATION.

INHALATION

NON-TOXIC BY INHALATION. MAY BE IRRITATING.

INGESTION

LOW ORDER OF TOXICITY, BUT MAY CAUSE GASTROINTESTINAL DISTURBANCES SUCH AS CATHARSIS AND DIARRHEA. ASPIRATION WITH SUBSEQUENT PULMONARY INFILTRATION MAY OCCUR.

MEDICAL CONDITION(S) AGGRAVATED: NA

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SECTION IV

OCCUPATIONAL EXPOSURE LIMITS

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No.	OSHA PEL/TWA	OSHA PEL/CEILING	ACGIH TLV/TWA	ACGIH TLV/STEL
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P	NO OSHA/PEL OR ACGIH/TLV HAS BEEN ESTABLISHED.			
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SECTION V

EMERGENCY AND FIRST AID PROCEDURES

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EYE CONTACT

FLUSH WITH WATER FOR 15 MINUTES WHILE HOLDING EYELIDS OPEN. GET MEDICAL ATTENTION.

SKIN CONTACT

REMOVE CONTAMINATED CLOTHING AND WIPE EXCESS OFF. WASH WITH SOAP AND WATER OR A WATERLESS HAND CLEANER FOLLOWED BY SOAP AND WATER. DO NOT REUSE CLOTHING UNTIL THOROUGHLY CLEANED. IF IRRITATION PERSISTS, GET MEDICAL ATTENTION. IF MATERIAL IS INJECTED UNDER THE SKIN, GET MEDICAL ATTENTION PROMPTLY TO PREVENT SERIOUS DAMAGE. DO NOT WAIT FOR SYMPTOMS TO DEVELOP.

INHALATION

REMOVE VICTIM TO FRESH AIR AND PROVIDE OXYGEN IF BREATHING IS DIFFICULT. GET MEDICAL ATTENTION.

INGESTION

DO NOT INDUCE VOMITING. GIVE 1/2 PINT OF MILK OR WATER. IF VOMITING OCCURS, KEEP HEAD LOWER THAN HIPS TO PREVENT ASPIRATION. KEEP VICTIM WARM AND AT REST. GET MEDICAL ATTENTION IMMEDIATELY.

SECTION VI

SUPPLEMENTAL HEALTH INFORMATION

NA

COMPONENT(S) LISTED AS A CARCINOGEN?	NOT LISTED	[X]	NTP	[]
	OSHA REGULATED	[]	IRAC	[]

SECTION VII

PHYSICAL DATA

Boiling Point (F) >>>>	NA	Melting Point (F) >>>>>>>>	NA
Vapor Pressure (mmHg)>	NA	Specific Gravity (H2O=1)>>>	1.0
% Volatile (volume)>>>	NA	Vapor Density (air=1) >>>>	NA
Solubility in H2O >>	INSOLUBLE	Evaporation Rate (BuOAC=1)>	NA

APPEARANCE AND ODOR

LIGHT TAN SYNTHETIC FLUID.

SECTION VIII

FIRE AND EXPLOSION HAZARDS

FLASH POINT >>>	>500oF	FLAMMABLE LIMITS	UPPER>>>	NA
(METHOD USED)	COC	(% VOLUME IN AIR)	LOWER>>>	NA

EXTINGUISHING MEDIA

CARBON DIOXIDE, DRY CHEMICAL POWDER, OR FOAM EXTINGUISHER. DO NOT USE WATER JET.

SPECIAL FIRE FIGHTING PROCEDURES AND PRECAUTIONS

DO NOT ENTER CONFINED FIRE SPACE WITHOUT PROPER PROTECTIVE EQUIPMENT INCLUDING A NIOSH APPROVED SELF-CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED CONTAINERS SURROUNDING EQUIPMENT AND STRUCTURES WITH WATER.

SECTION IX

REACTIVITY

STABILITY >>> STABLE HAZARDOUS POLYMERIZATION >>> WILL NOT OCCUR

CONDITIONS AND MATERIALS TO AVOID

AVOID HEAT, OPEN FLAME, AND CONTACT WITH STRONG OXIDIZING AGENTS.

HAZARDOUS DECOMPOSITION PRODUCTS

THERMAL DECOMPOSITION PRODUCTS ARE HIGHLY DEPENDENT ON THE COMBUSTION CONDITIONS. A COMPLEX MIXTURE OF AIRBORNE SOLID, LIQUID PARTICULATES AND GASES WILL EVOLVE WHEN THIS MATERIAL UNDERGOES PYROLYSIS OR COMBUSTION. CARBON MONOXIDE AND UNIDENTIFIED ORGANIC COMPOUNDS MAY BE FORMED UPON COMBUSTION.

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SECTION X EMPLOYEE PROTECTION=====

RESPIRATORY PROTECTION

NOT ORDINARILY REQUIRED. HOWEVER, IF EXPOSURE MAY OR DOES EXCEED OCCUPATIONAL EXPOSURE LIMITS, USE A NIOSH-APPROVED RESPIRATOR TO PREVENT OVEREXPOSURE. IN ACCORD WITH 29 CFR 1910.134 USE EITHER AN ATMOSPHERE SUPPLYING RESPIRATOR OR AN AIR-PURIFYING RESPIRATOR FOR ORGANIC VAPORS AND PARTICULATES.

PROTECTIVE CLOTHING

USE OIL RESISTANT GLOVES AND OTHER CLOTHING AS NEEDED TO MINIMIZE SKIN CONTACT.

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SECTION XI ENVIRONMENTAL PROTECTION=====

SPILL OR LEAK PROCEDURES

TAKE UP WITH DIATOMACEOUS EARTH, CLAY OR OTHER INERT ABSORBENT AND PLACE IN CONTAINER FOR LATER DISPOSAL.

WASTE DISPOSAL

DISPOSE OF IN AN APPROPRIATE DISPOSAL FACILITY IN COMPLIANCE WITH FEDERAL, STATE, AND LOCAL REGULATIONS.

ENVIRONMENTAL HAZARDS

EPA-CLEAN WATER ACT (CWA). THIS PRODUCT IS CLASSIFIED AS AN OIL UNDER SECTION 311 OF THE CLEAN WATER ACT. SPILLS ENTERING A) SURFACE WATERS OR B) ANY WATER COURSES OR SEWERS ENTERING/LEAVING TO SURFACE WATERS THAT CAUSE A SHEEN MUST BE REPORTED TO THE NATIONAL RESPONSE CENTER. 800-424-8802

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SECTION XII SPECIAL PRECAUTIONS=====

STORE IN A COOL, DRY PLACE WITH ADEQUATE VENTILATION. KEEP AWAY FROM OPEN FLAMES AND HIGH TEMPERATURES.

MINIMIZE SKIN CONTACT. WASH WITH SOAP AND WATER BEFORE EATING, DRINKING, SMOKING, OR USING TOILET FACILITIES. LAUNDRY CONTAMINATED CLOTHING BEFORE REUSE. PROPERLY DISPOSE OF CONTAMINATED LEATHER ARTICLES, INCLUDING SHOES THAT CANNOT BE DECONTAMINATED.

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SECTION XIII TRANSPORTATION REQUIREMENTS=====

DEPARTMENT OF TRANSPORTATION CLASSIFICATION:

NOT HAZARDOUS BY D. O. T. REGULATIONS

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SECTION XIV OTHER REGULATORY CONTROLS=====

EPA, FDA, OSHA, USDA, CPSC, Etc.

THE COMPONENTS OF THIS PRODUCT ARE LISTED ON THE EPA/TSCA INVENTORY
OF CHEMICAL SUBSTANCES.

The information contained herein is based on the data available to us and is believed to be correct. However, Royal makes no warranty, expressed or implied, regarding the accuracy of these data or the results to be obtained from the use thereof. Royal assumes no responsibility for injury from the use of the product described herein.

DATE PREPARED: NOVEMBER 1, 1985
DATE REVISED: SEPTEMBER 17, 1986

FOR FURTHER INFORMATION CONTACT:

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